

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/656,895A

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## RAW SEQUENCE LISTING

DATE: 10/20/2005

PATENT APPLICATION: US/10/656,895A

TIME: 11:04:30

Input Set : A:\TJU0007-103.ST25.txt

Output Set: N:\CRF4\10202005\J656895A.raw

3 <110> APPLICANT: Waldman, Scott A.  
 4 Pearlman, Joshua M.  
 5 Barber, Michael T.  
 6 Schulz, Stephanie  
 7 Parkinson, Scott J.  
 9 <120> TITLE OF INVENTION: Compositions that Specifically Bind to Colorectal Cancer  
 Cells  
 10 and Methods of Using the Same  
 12 <130> FILE REFERENCE: 08321-0152 CT1 (TJU0007-103)  
 14 <140> CURRENT APPLICATION NUMBER: 10/656,895A  
 15 <141> CURRENT FILING DATE: 2003-09-05  
 17 <150> PRIOR APPLICATION NUMBER: US 09/649,697  
 18 <151> PRIOR FILING DATE: 2000-08-28  
 20 <150> PRIOR APPLICATION NUMBER: US 08/908,643  
 21 <151> PRIOR FILING DATE: 1997-08-07  
 23 <160> NUMBER OF SEQ ID NOS: 82  
 25 <170> SOFTWARE: PatentIn version 3.3  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 1636  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Artificial Sequence  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: Synthetic Construct  
 35 <400> SEQUENCE: 1  
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 38 gctttgtggt cactgctctt ccatcccggg tggctgtcct ttagttccca ggcctaaatg 120  
 40 tgactgtgaa cgctactttc atgtattcgg atggtctgat tcataactca ggcgactgcc 180  
 42 ggagtagcac ctgtgaaggc ctgcacctac tcaggaaaat ttcaaatgca caacggatgg 240  
 44 gctgtgtcct cataggggcc tcatgtacat actccacctt ccagatgtac cttgacacag 300  
 46 aattgagcta ccccatgata tcagctggaa gttttggatt gtcatgtgac tataaagaaa 360  
 48 ccttaaccag gctgatgtct ccagctagaa agttgatata cttcttggtt aacttttgga 420  
 50 aaaccaacga tctgcccttc aaaacttatt cctggagcac ttcgatgtt tacaagaatg 480  
 52 gtacagaaac tgagggactg tttctggtac cttaatgctc tggaggctag cgtttcctat 540  
 54 ttctcccacg aactcggctt taaggtggtg ttaagacaag ataaggagtt tcaggatatc 600  
 56 ttaatggacc acaacaggaa aagcaatgtg attattatgt gtggtggtcc agagttcctc 660  
 58 tacaagctga agggtgaccg agcagtggct gaagacattg tcattattct agtggatctt 720  
 60 ttcaatgacc agtacttgga ggacaatgtc acagcccctg actatatgaa aaatgtcctt 780  
 62 gttctgacgc tgtctcctgg ggaattccct tctaaatagc tctttctcca ggaatctatc 840  
 64 accaacaata cgagactttg ctcttgccct tttgaatgga atcctgctct ttggacatat 900  
 66 gctgaagata tttcttgaaa atggagaaaa tattaccacc cccaaatttg ctcatgcttt 960  
 68 caggaatctc acttttgaa ggtatgacgg tccagtgacc ttgggatgac tggggggatg 1020  
 70 ttgacagtac catggtgctt ccgttatacc ctctgtggac accaagaaat acaaggttct 1080  
 72 ttggacctat gataccacg ttaataagaa ctatcctgtg gatatgagcc ccacattcac 1140  
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76 tgcagtcttc accctcactg gagctgtggt gctgctcctg ctgctcgctc tcctgatgct 1260
78 cagaaaaatat agaaaagatt atgaacttcg tcagaaaaaa tgggtcccaca ttcctcctga 1320
80 aaatatcttt cctctggaga ccaatgagac caatcatggt agcctcaaga tcgatgatga 1380
82 caaaagacga gatacaatcc agagactacg acagtgc aaa tacgacaaaa agcgagtgat 1440
84 tctcaaagat ctcaagcaca atgatggtaa tttcactgaa aaacagaaga tagaattgaa 1500
86 caagttgctt cagaaaagact attacaacct gaccaagttc tacggcacag tgaaacttga 1560
88 taccatgata ttcgggggtga tagaatactg tgagagagga tccccccgg gaagttttaa 1620
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95 <212> TYPE: DNA
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98 <220> FEATURE:
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104 tccttttagtt cccaggcc 78
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109 <212> TYPE: PRT
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112 <220> FEATURE:
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117 Met Lys Thr Leu Leu Leu Asp Leu Ala Leu Trp Ser Leu Leu Phe His
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121 Pro Gly Trp Leu Ser Phe Ser Ser Gln Ala
122 20 25
125 <210> SEQ ID NO: 4
126 <211> LENGTH: 372
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Synthetic Construct
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136 ctcgacctac tcaggaaaat ttcaaagtca caacggatgg gctgtgtcct catagggccc 120
138 tcatgtacat actccacctt ccagatgtac cttgacacag aattgagcta ccccatgata 180
140 tcagctggaa gttttggatt gtcattgtgac tataaagaaa ccttaaccag gctgatgtct 240
142 ccagctgaga agttgatata cttcttggtt aacttttgga aaaccaacga tctgcccttc 300
144 aaaacttatt cctggagcac ttcgtatgtt tacaagaatg gtacagaaac tgagggactg 360
146 tttctggtac ct 372
149 <210> SEQ ID NO: 5
150 <211> LENGTH: 124
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic Construct
157 <400> SEQUENCE: 5

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159 Met Tyr Ser Asp Gly Leu Ile His Asn Ser Gly Asp Cys Arg Ser Ser
160 1          5          10          15
163 Thr Cys Glu Gly Leu Asp Leu Leu Arg Lys Ile Ser Asn Ala Gln Arg
164          20          25          30
167 Met Gly Cys Val Leu Ile Gly Pro Ser Cys Thr Tyr Ser Thr Phe Gln
168          35          40          45
171 Met Tyr Leu Asp Thr Glu Leu Ser Tyr Pro Met Ile Ser Ala Gly Ser
172          50          55          60
175 Phe Gly Leu Ser Cys Asp Tyr Lys Glu Thr Leu Thr Arg Leu Met Ser
176 65          70          75          80
179 Pro Ala Arg Lys Leu Ile Tyr Phe Leu Val Asn Phe Trp Lys Thr Asn
180          85          90          95
183 Asp Leu Pro Phe Lys Thr Tyr Ser Trp Ser Thr Ser Tyr Val Tyr Lys
184          100         105         110
187 Asn Gly Thr Glu Thr Glu Gly Leu Phe Leu Val Pro
188          115         120
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192 <211> LENGTH: 276
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Synthetic Construct
199 <400> SEQUENCE: 6
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202 acagaattga gctaccccat gatctcagct ggaagttttg gattgtcatg tgactataaa      120
204 gaaaccttaa ccaggctgat gtctccagct agaaagttga tatacttctt ggtaacttt      180
206 tggaaaacca acgatctgcc cttcaaaact tattcctgga gcacttcgta tgtttacaag      240
208 aatggtacag aaactgaggg actgtttctg gtacct                                276
211 <210> SEQ ID NO: 7
212 <211> LENGTH: 92
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Synthetic Construct
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221 Met Gly Cys Val Leu Ile Gly Pro Ser Cys Thr Tyr Ser Thr Phe Gln
222 1          5          10          15
225 Met Tyr Leu Asp Thr Glu Leu Ser Tyr Pro Met Ile Ser Ala Gly Ser
226          20          25          30
229 Phe Gly Leu Ser Cys Asp Tyr Lys Glu Thr Leu Thr Arg Leu Met Ser
230          35          40          45
233 Pro Ala Arg Lys Leu Ile Tyr Phe Leu Val Asn Phe Trp Lys Thr Asn
234          50          55          60
237 Asp Leu Pro Phe Lys Thr Tyr Ser Trp Ser Thr Ser Tyr Val Tyr Lys
238 65          70          75          80
241 Asn Gly Thr Glu Thr Glu Gly Leu Phe Leu Val Pro
242          85          90
245 <210> SEQ ID NO: 8
246 <211> LENGTH: 228

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247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Synthetic Construct
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256 tgtgactata aagaaacctt aaccaggctg atgtctccag ctagaaagtt gatatacttc      120
258 ttggttaact ttggaaaac caacgatctg ccttcaaaa cttattcctg gagcacttcg      180
260 tatgtttaca agaatggtac agaaactgag ggactgtttc tggtagct      228
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264 <211> LENGTH: 76
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Synthetic Construct
271 <400> SEQUENCE: 9
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274 1      5      10      15
277 Phe Gly Leu Ser Cys Asp Tyr Lys Glu Thr Leu Thr Arg Leu Met Ser
278      20      25      30
281 Pro Ala Arg Lys Leu Ile Tyr Phe Leu Val Asn Phe Trp Lys Thr Asn
282      35      40      45
285 Asp Leu Pro Phe Lys Thr Tyr Ser Trp Ser Thr Ser Tyr Val Tyr Lys
286      50      55      60
289 Asn Gly Thr Glu Thr Glu Gly Leu Phe Leu Val Pro
290 65      70      75
293 <210> SEQ ID NO: 10
294 <211> LENGTH: 198
295 <212> TYPE: DNA
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298 <220> FEATURE:
299 <223> OTHER INFORMATION: Synthetic Construct
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304 atgtctccag ctagaaagtt gatatacttc ttggttaact ttggaaaac caacgatctg      120
306 ccttcaaaa cttattcctg gagcacttcg tatgtttaca agaatggtac agaaactgag      180
308 ggactgtttc tggtagct      198
311 <210> SEQ ID NO: 11
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313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic Construct
319 <400> SEQUENCE: 11
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322 1      5      10      15
325 Leu Thr Arg Leu Met Ser Pro Ala Arg Lys Leu Ile Tyr Phe Leu Val
326      20      25      30
329 Asn Phe Trp Lys Thr Asn Asp Leu Pro Phe Lys Thr Tyr Ser Trp Ser

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330          35          40          45
333 Thr Ser Tyr Val Tyr Lys Asn Gly Thr Glu Thr Glu Gly Leu Phe Leu
334      50          55          60
337 Val Pro
338 65
341 <210> SEQ ID NO: 12
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343 <212> TYPE: DNA
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347 <223> OTHER INFORMATION: Synthetic Construct
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352 cccttcaaaa cttattcctg gagcacttcg tatgtttaca agaatggtag agaaactgag      120
354 ggactgtttc tggtagct                                     138
357 <210> SEQ ID NO: 13
358 <211> LENGTH: 46
359 <212> TYPE: PRT
360 <213> ORGANISM: Artificial Sequence
362 <220> FEATURE:
363 <223> OTHER INFORMATION: Synthetic Construct
365 <400> SEQUENCE: 13
367 Met Ser Pro Ala Arg Lys Leu Ile Tyr Phe Leu Val Asn Phe Trp Lys
368 1          5          10          15
371 Thr Asn Asp Leu Pro Phe Lys Thr Tyr Ser Trp Ser Thr Ser Tyr Val
372      20          25          30
375 Tyr Lys Asn Gly Thr Glu Thr Glu Gly Leu Phe Leu Val Pro
376      35          40          45
379 <210> SEQ ID NO: 14
380 <211> LENGTH: 27
381 <212> TYPE: DNA
382 <213> ORGANISM: Artificial Sequence
384 <220> FEATURE:
385 <223> OTHER INFORMATION: Synthetic Construct
387 <400> SEQUENCE: 14
388 atgcacaacg gatgggctgt gtcctca      27
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392 <211> LENGTH: 9
393 <212> TYPE: PRT
394 <213> ORGANISM: Artificial Sequence
396 <220> FEATURE:
397 <223> OTHER INFORMATION: Synthetic Construct
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401 Met His Asn Gly Trp Ala Val Ser Ser
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406 <211> LENGTH: 30
407 <212> TYPE: DNA
408 <213> ORGANISM: Artificial Sequence

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**VERIFICATION SUMMARY**

DATE: 10/20/2005

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